second dynamically configurable bus and the querying is performed for bus devices on one of a first and second dynamically configurable bus experiencing a configuration event.

REMARKS

Claims 1-46 have been provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-12 of U.S. Patent No. 6,418,493 ("Mosgrove") in view of U.S. Patent No. 5,978,854 ("Fujimori"). A terminal disclaimer is enclosed to overcome the double patenting rejection.

Claims 1-46 have been rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. patent no. 6,219,697 ("Lawande") in view of Fujimori. Applicant respectfully traverses the rejection in view of the amendment because the cited references do not disclose or suggest every element of any pending claim.

Independent claims 1, 13, 27, 33, and 40 each recite the use of an address that is a guaranteed unique identifier (GUID). On page 4 of the Office action, GUID is referred to as an unchangeable network identifier. This is incorrect. GUID is not just a descriptive phrase, but is a well-known term in the industry for addresses that are unchangeable, are universally unique throughout the industry, and are typically hardwired into a device at the time of manufacture. Neither Lawande nor Fujimori discloses or suggests the use of GUIDs.

Claims 2-12, 14-26, 28-32, 34-39, and 41-46 depend from claims 1, 13, 27, 33, and 40, respectively, and therefore also contain the same limitations not disclosed or suggested by the cited references.

Conclusion

For the foregoing reasons, Applicant submits that claims 1-46 are now in condition for allowance, and indication of allowance by the Examiner is respectfully requested. If the Examiner has any questions concerning this application, he or she is requested to telephone the undersigned at the telephone number shown below as soon as possible. If any fee deficiency or overpayment is detected, please charge any insufficiency or credit any overpayment to Deposit Account No. 02-2666.

Respectfully submitted,

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APPENDIX A

Marked Up Version of Amended Claims

1. (Amended once) A bus system, comprising:

a first dynamically configurable bus;

a first bus device on the first bus having a first virtual address and a first physical address;

a second bus device on the first bus having a second virtual address and a second physical address; and

a map of the first and second virtual addresses to the first and second physical addresses, respectively, the map to be accessible over the first bus [and to be distributed across a plurality of bus devices on the first bus];

wherein at least one of the first and second virtual addresses is a guaranteed unique identifier.

2. (Amended once) The bus system of claim 1, wherein [at least one of the first and second virtual addresses is a guaranteed unique identifier] the map is to be distributed across a plurality of bus devices on the first bus.

13. (Amended three times) A bus system, comprising:

a first dynamically configurable bus;

a plurality of bus devices coupled to the first bus, each of the plurality of bus devices having a virtual address and a physical address; and

a map of the virtual addresses of the bus devices to the physical addresses of the bus devices, said map to be accessible over the first bus [and to be distributed across the plurality of bus devices];

wherein at least one virtual address is a guaranteed unique identifier.

14. (Amended once) The bus system of claim 13, wherein [at least one virtual address is a guaranteed unique identifier] said map is to be distributed across the plurality of bus devices.

27. (Amended three times) A method comprising:

querying a first bus device and a second bus device other than a bus manager on a dynamically configurable bus system;

identifying the queried device from its configuration information;

ascertaining a virtual address and a physical address for the identified device;

constructing a map of the virtual address of the first and the second bus device to the physical address of the first and the second bus device, respectively, the physical address being a guaranteed unique identifier; and

storing the map, said map to be accessible over the bus system [and to be distributed across a plurality of bus devices on the bus system].

31. (Amended three times) The method of claim 27, wherein [the constructing the map includes at least one mapped virtual address that is a guaranteed unique identifier] the map is distributed across a plurality of bus devices on the bus system.

33. (Amended three times) A method comprising:

querying a plurality of bus devices other than a bus manager on a dynamically configurable bus system;

identifying the queried device from its configuration information;

ascertaining a virtual address and a physical address for the identified device, the physical address being a guaranteed unique identifier;

constructing a map of the virtual address for each of the plurality of bus devices to the physical address for each of the plurality of bus devices; and

storing the map, said map to be accessible over the bus system and to be distributed across the plurality of bus devices on the bus system.

40. (Amended three times) A machine-readable medium that provides instructions, which when executed by a machine, cause said machine to perform operations comprising:

querying a plurality of bus devices other than a bus manager on a dynamically configurable bus system;

identifying the queried device from its configuration information;

ascertaining a virtual address and a physical address for the identified device, the physical address being a guaranteed unique identifier;

constructing a map of the virtual address for each of the plurality of bus devices to the physical address for each of the plurality of bus devices; and

storing a map, said map to be accessible over the bus system and to be distributed across the plurality of bus devices on the bus system.